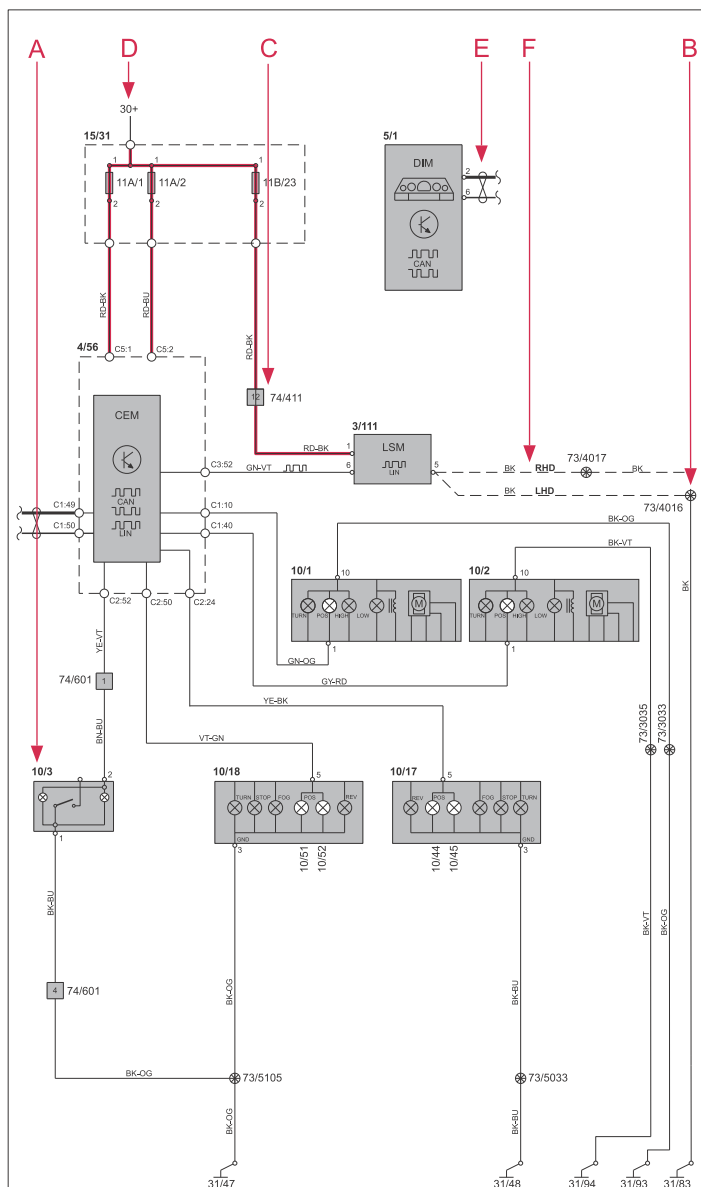
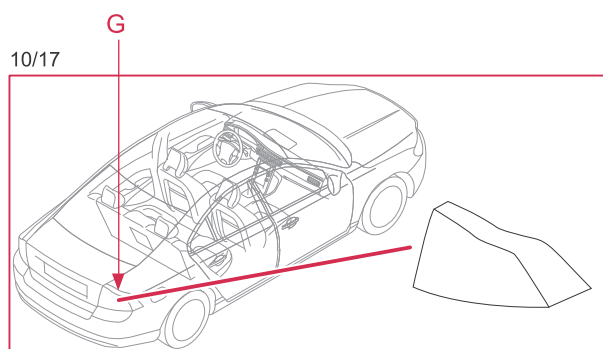


How to use the wiring diagrams 2:2



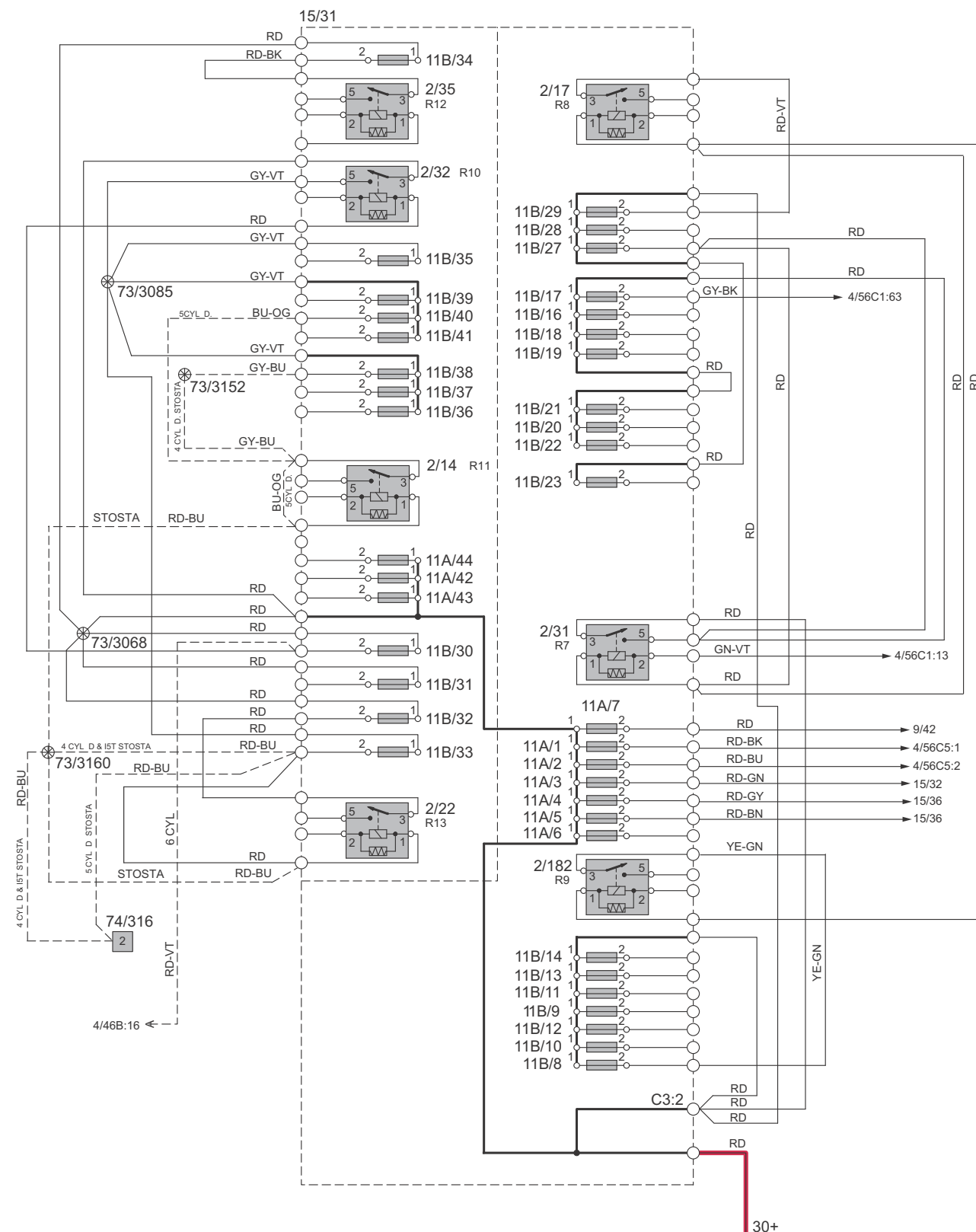
List of symbols

- = System voltage
- = Ground connection via wiring
- = Ground connection in component/chassis
- = Screened wire
- = Junction point
- = Twisted cable
- = Electrical connection
- = Variant
- = CAN communication
- = CAN high data signal (CAN H)
- = CAN low data signal (CAN L)
- = LIN communication
- = LIN communication
- = DIN cable, coaxial cable, etc.
- = Data communication
- = CAN communication
- = MOST communication
- = MOST communication
- = Connection with distribution box
- = Further connection to...
- = Connector between cable harnesses
- = Connector connected in component



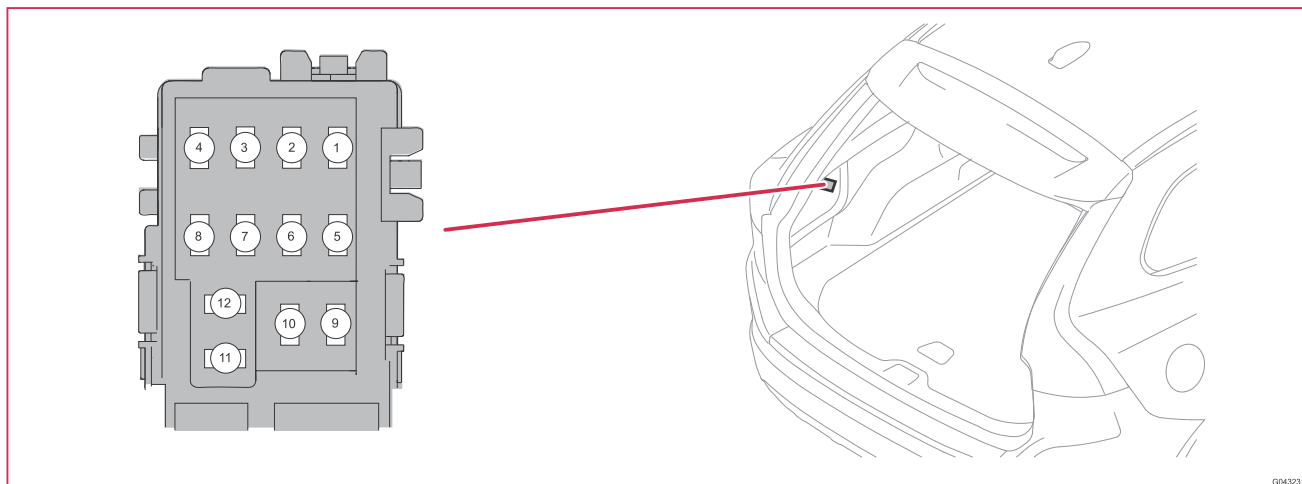
G029147

Overview, Distribution box in engine compartment



Fuses

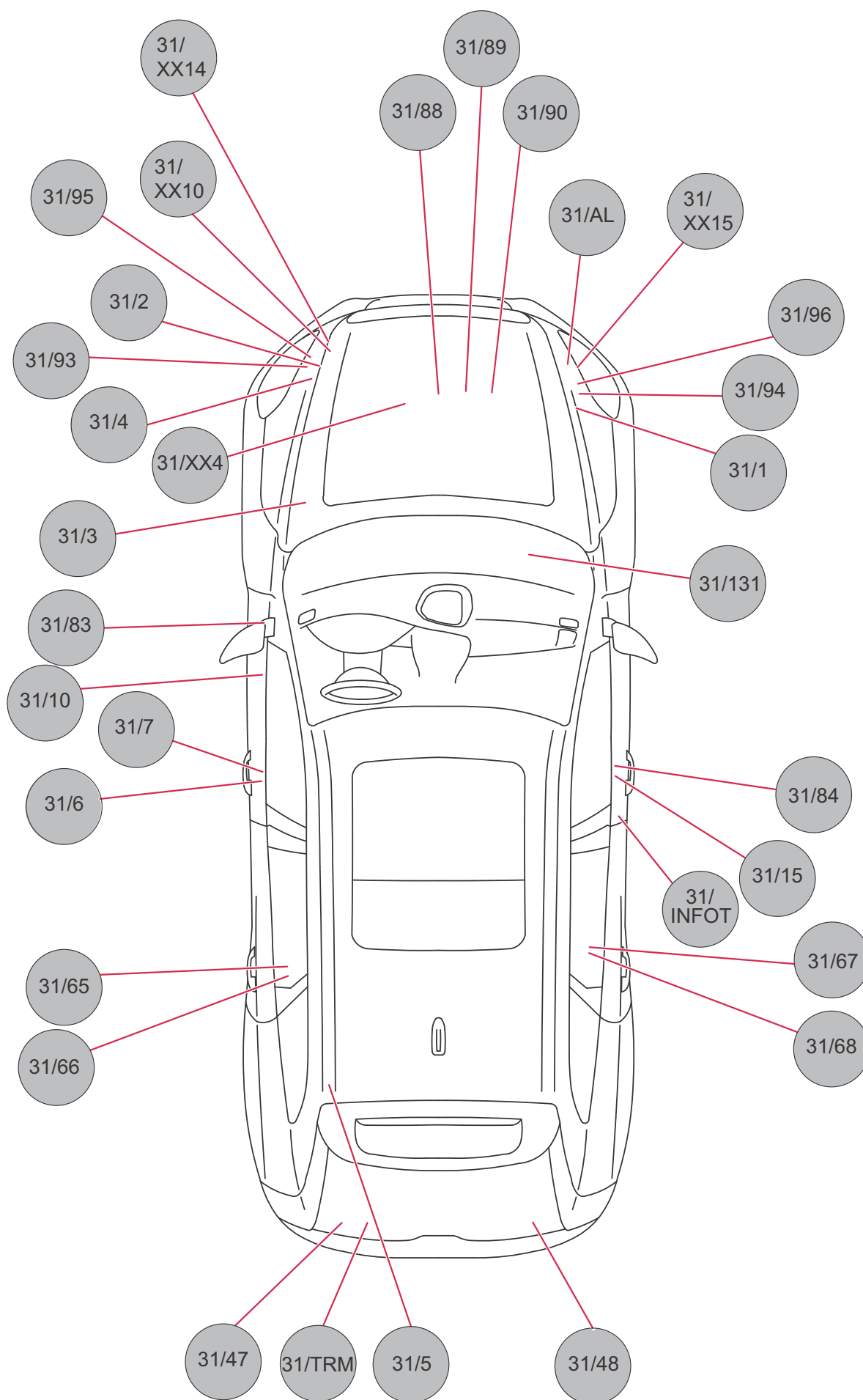
Distribution box in cargo compartment FA1 - FA11



15/32 Distribution box in cargo compartment

No.	No.	Fuse function	via	A
FA1	11D/A1	4/115 Park Brake Module (PBM)	-	30
FA2	11D/A2	4/115 Park Brake Module (PBM)	-	30
FA3	11D/A3	2/82 Relay, heated rear window 9/2 Heated rear window	- 2/82	30
FA4	11D/A4	17/39 13-pin outlet, tow hitch cable harness	-	15
FA5	11D/A5	4/116 Power Operated Tailgate Module (POT)	-	30
FA11	11D/A11	4/110 Trailer module (TRM)	-	40

Ground connections Overview



Ground connections

31/XX4 - 31/TRM

31/XX4 Engine - Body	
31/4	Ground connection

31/XX10 LH wheel housing 1	
3/10	Reversing light contact
3/282	Switch indicator 1st gear, I5D
4/28	Transmission control module (TCM)
4/46	Engine control module (ECM)
6/73	Coolant pump
6/139	Upper actuating motor, intake manifold
6/140	Lower actuating motor, intake manifold
6/179	Electric oil pump
7/243	Gear position sensor neutral position
8/3	Electromagnetic clutch climate control system, 4-Cyl. Turbo
8/78	Pressure monitor power steering, 4-Cyl. Turbo
9/32	PTC resistor, crankcase ventilation
20/3-6	Spark plug with ignition coil, 4-Cyl. Turbo

31/XX14 LH wheel housing 3	
4/16	Brake control module (BCM)

31/XX15 RH wheel housing	
4/7	Combustion preheater module (CPM)
4/106	Control module, remote parking heater start
6/1	Wiper motor module (WMM)

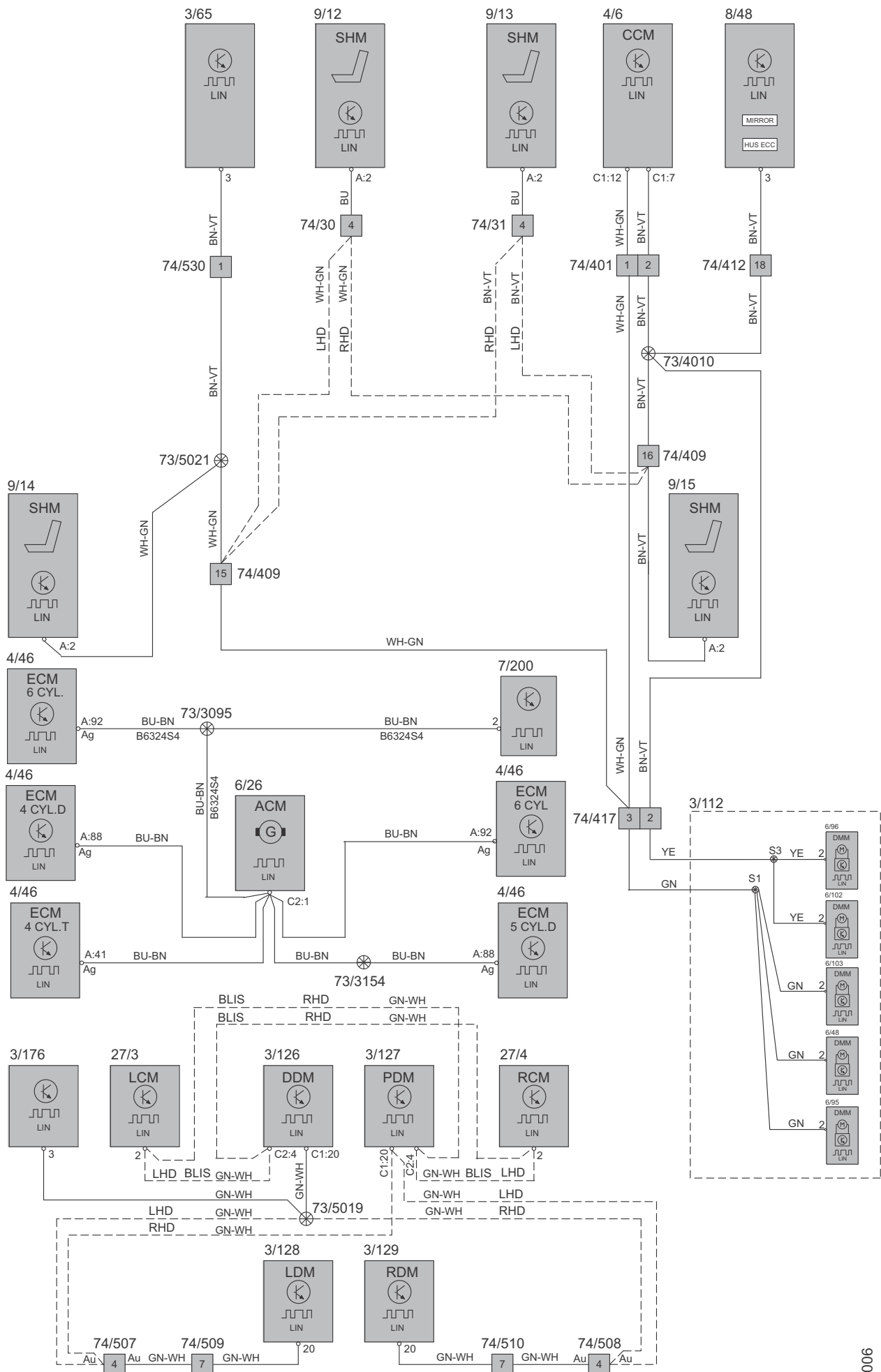
31/AL Auxiliary lights	
10/65	Auxiliary lights, front right
10/69	Auxiliary lights, front left

31/INFOT Infotainment	
16/105	Audio module (AUD)
16/159	Control module, mobile phone handsfree, LHD

31/TRM Accessories	
17/37	4-pin outlet, tow hitch cable harness
17/38	7-pin outlet, tow hitch cable harness
17/39	13-pin outlet, tow hitch cable harness

Control modules

Data communication, LIN 2:2



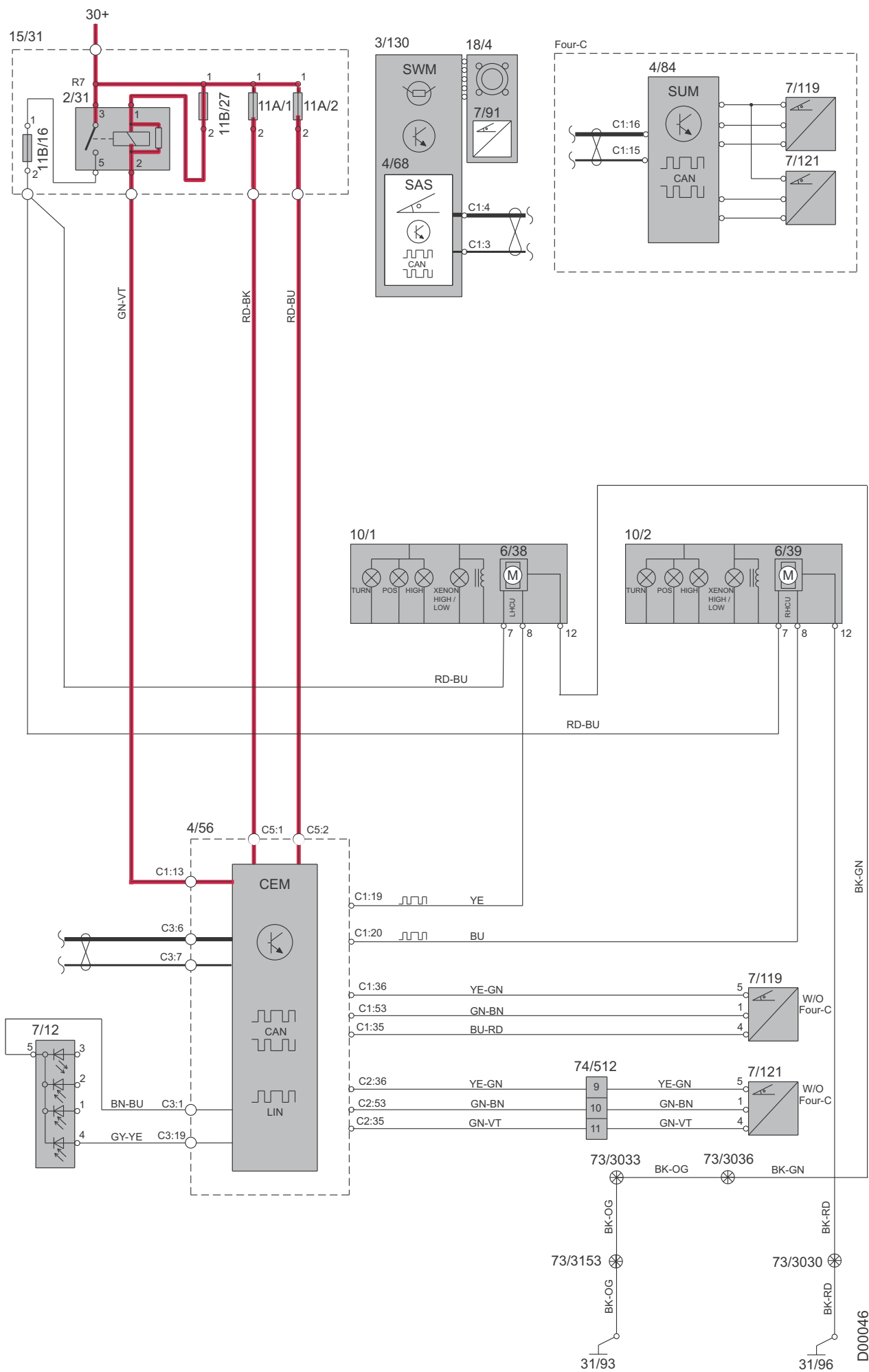
101006

Engine management system, 5-Cyl. Diesel 1:3



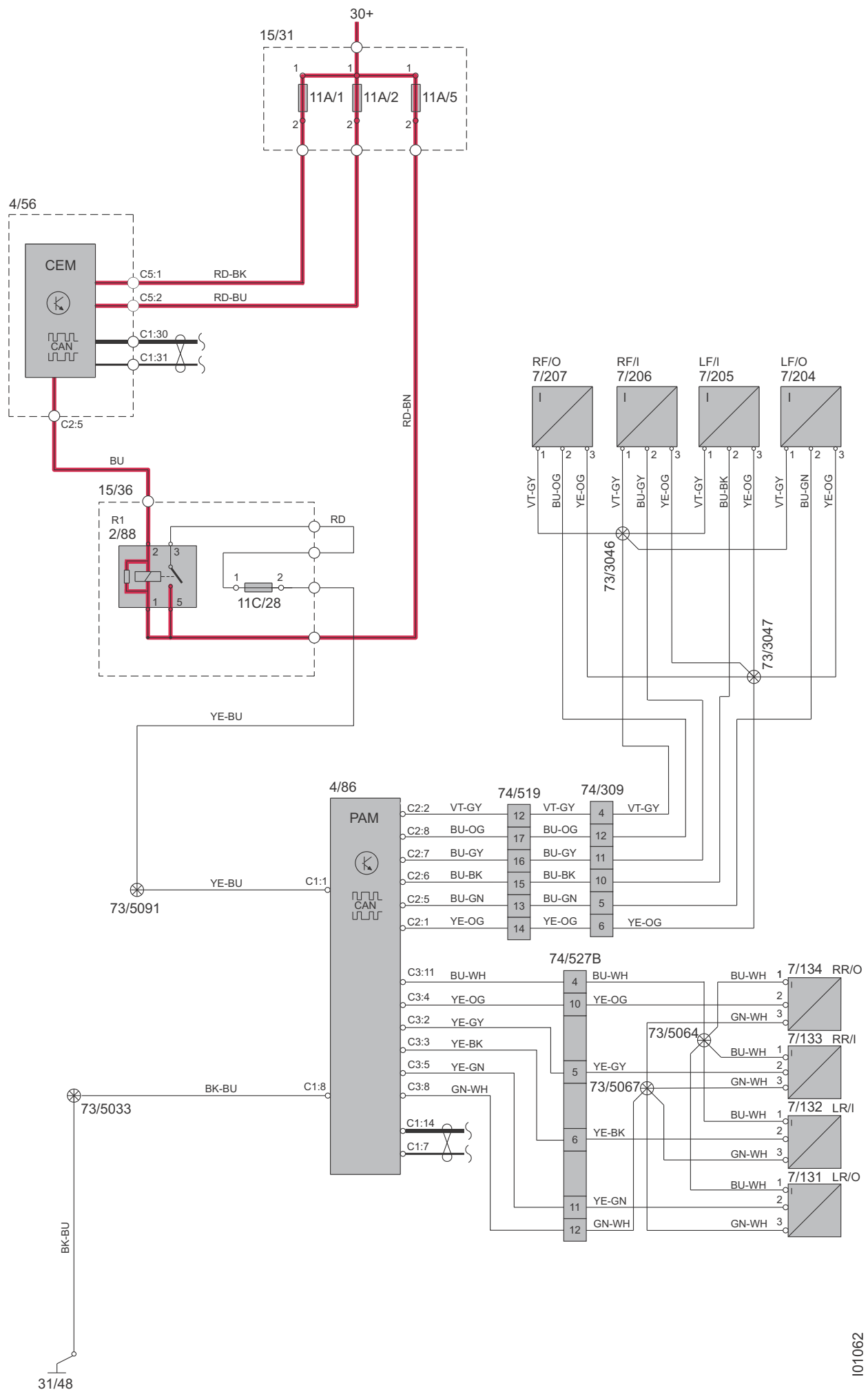
Group 35 Lighting

Active headlight



Group 36 Additional electrical equipment

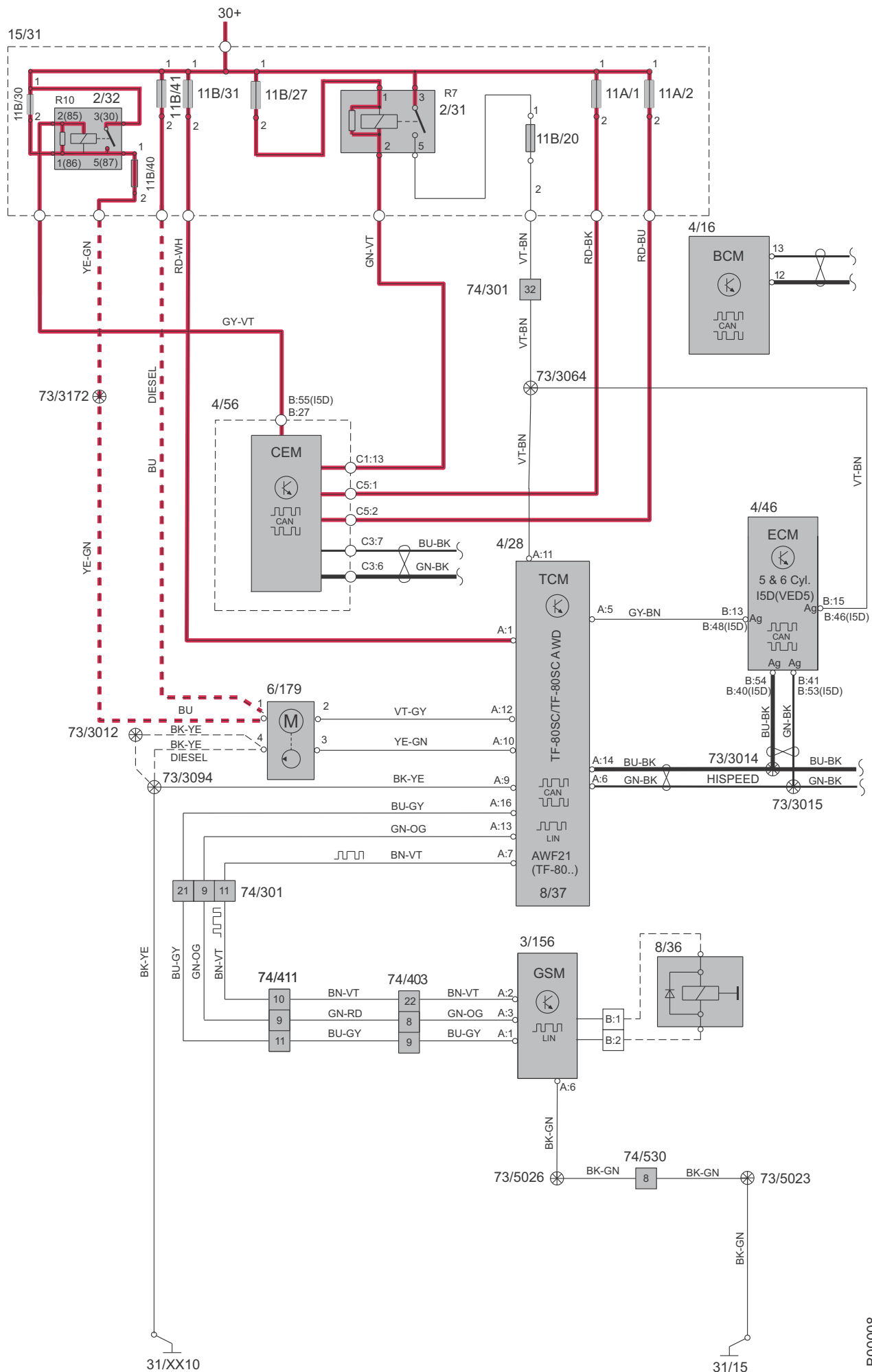
Parking assistance



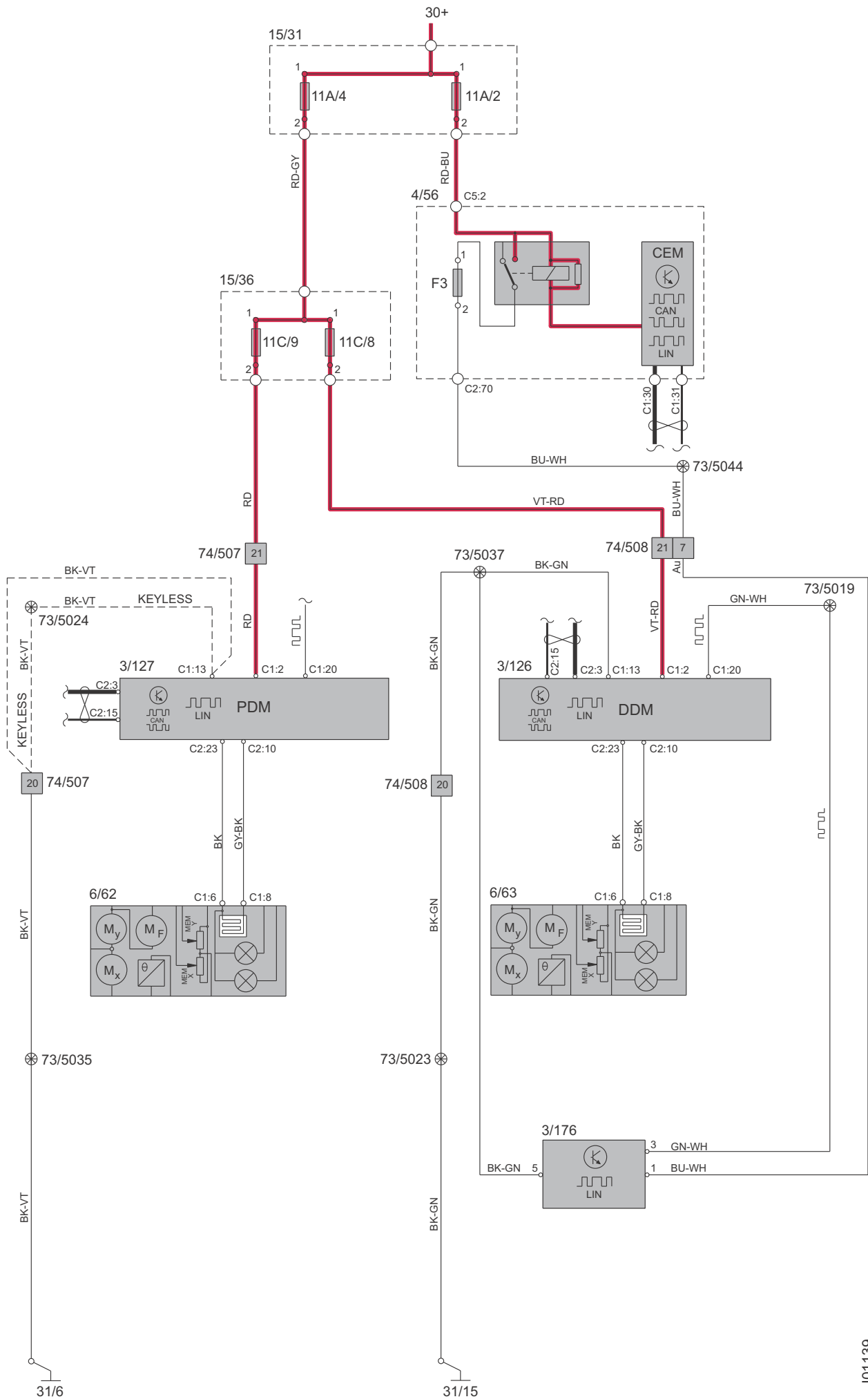
I01062

Group 43 Transmission

Automatic transmission AWF21



Group 84 Exterior decorative elements, etc. Heated door mirrors RHD



Connectors

74/313 - 74/321

74/313

1-pin black

No.	Harness battery monitoring sensor (BMS)			Engine compartment harness		
1	7/240:2	Battery monitoring sensor (BMS)	GN-BK	4/56C1:49	Central electronic module (CEM)	GN-BK

74/316

6-pin black

No.	Engine harness			Engine compartment harness		
1	2/35:3	Relay, starter motor	RD	11A/9:2	Main fuses in engine compartment fuse box	RD
2	73/3160	Branching point	RD-BU	73/3157	Branching point	RD-BU
3	4/46A:90 4/46B:43	Engine Control Module (ECM), 1.6P Engine Control Module (ECM), 5-Cyl.	YE-VT	2/246:2	Relay secondary battery	YE-VT
4	73/3162 74/301:27	Branching point, Automatic transmission Connector, Manual transmission	RD	11B/12:2	Fuse, fuse box cold zone engine compartment	RD
5	4/46A:5 4/46B:43	Engine Control Module (ECM), 4-Cyl. Engine Control Module (ECM), 5-Cyl.	GY-VT	2/166:2	Relay, battery relay	GY-VT
6	-	-	-	-	-	-

74/321

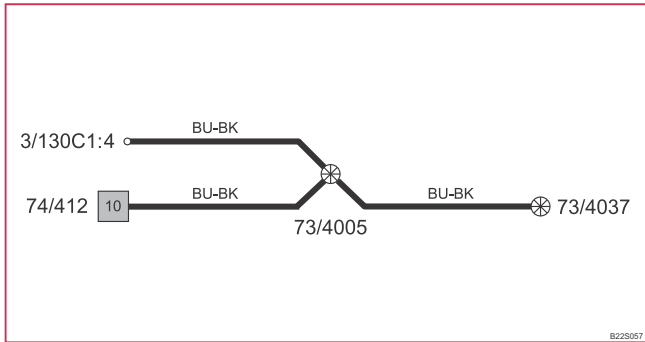
8-pin black

No.	Harness forward facing radar			Engine compartment harness		
1	-	-	-	-	-	-
2	7/203:18	Forward-aimed radar (FLR)	BN-BU	74/411:4	Connector	BN-BU
3	7/203:9	Forward-aimed radar (FLR)	GY-BU	74/411:5	Connector	GY-BU
4	-	-	-	-	-	-
5	-	-	-	-	-	-
6	7/203:3	Forward-aimed radar (FLR)	BK-RD	73/3155	Branching point	BK-RD
7	7/203:1	Forward-aimed radar (FLR)	GY-VT	74/411:3	Connector	GY-VT
8	7/203:10	Forward-aimed radar (FLR)	GY-OG	4/56C1:74	Central Electronic Module (CEM)	GY-OG

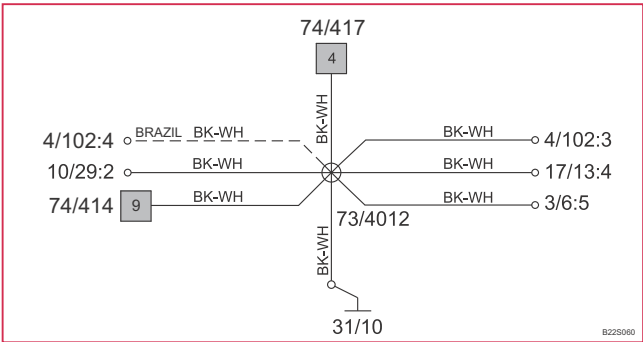
Branching points

73/4005 - 73/4016

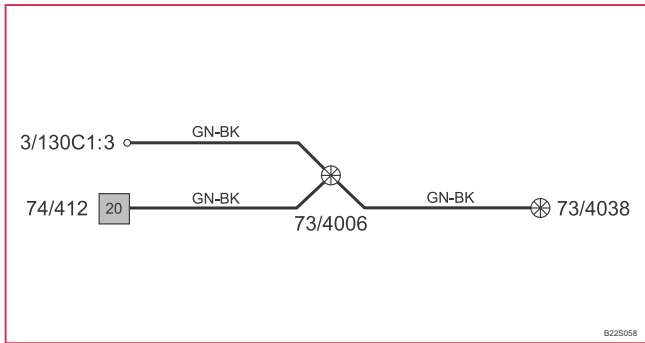
73/4005



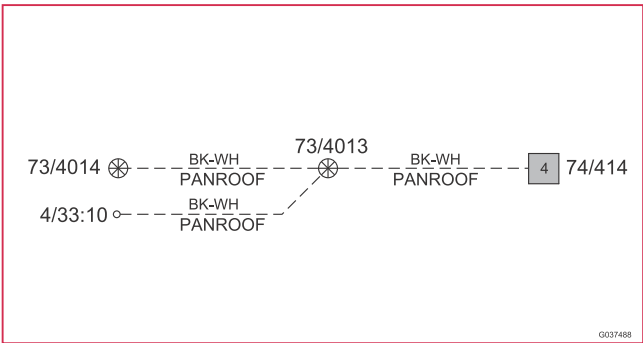
73/4012



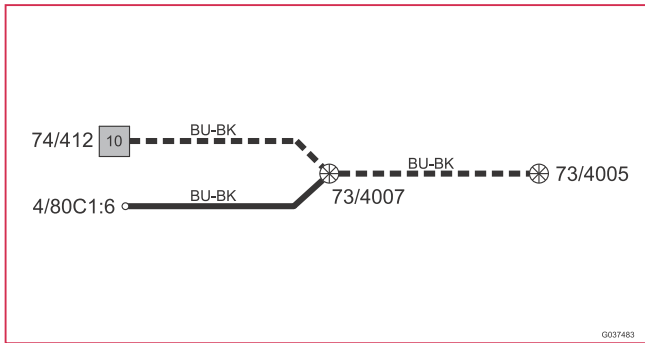
73/4006



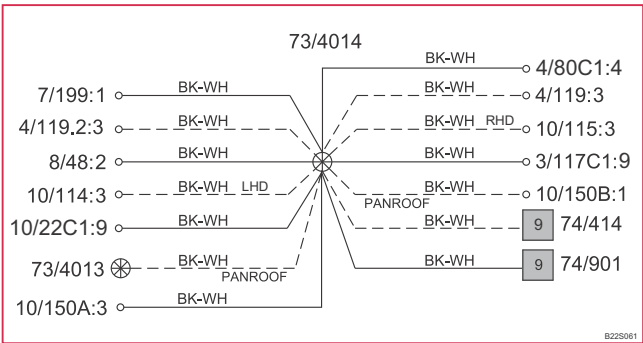
73/4013



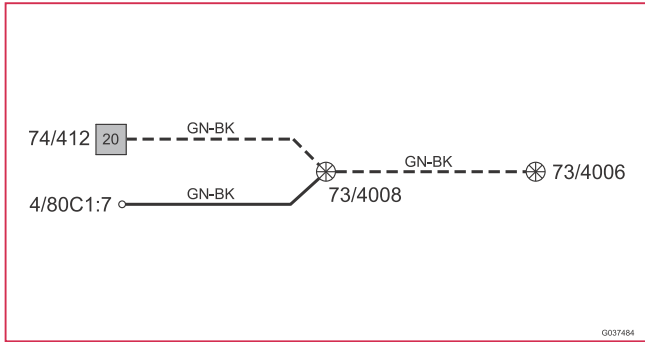
73/4007



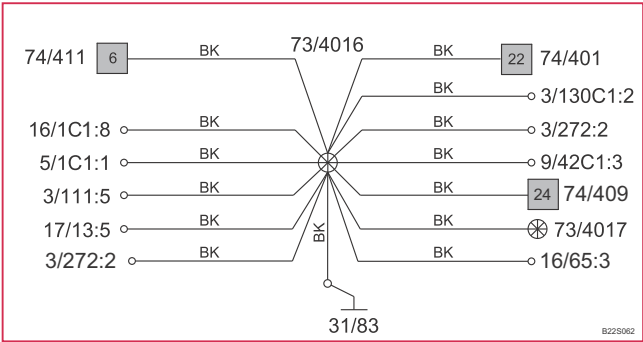
73/4014



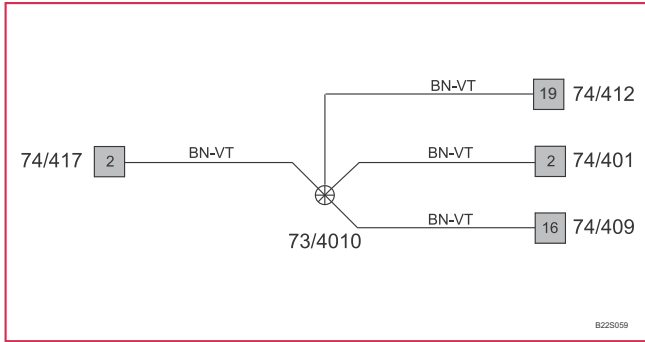
73/4008



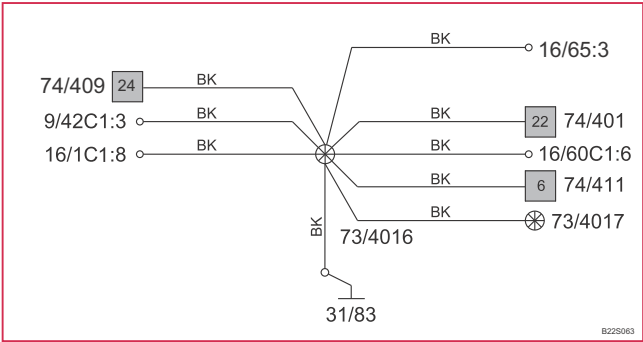
73/4016 LHD



73/4010



73/4016 RHD

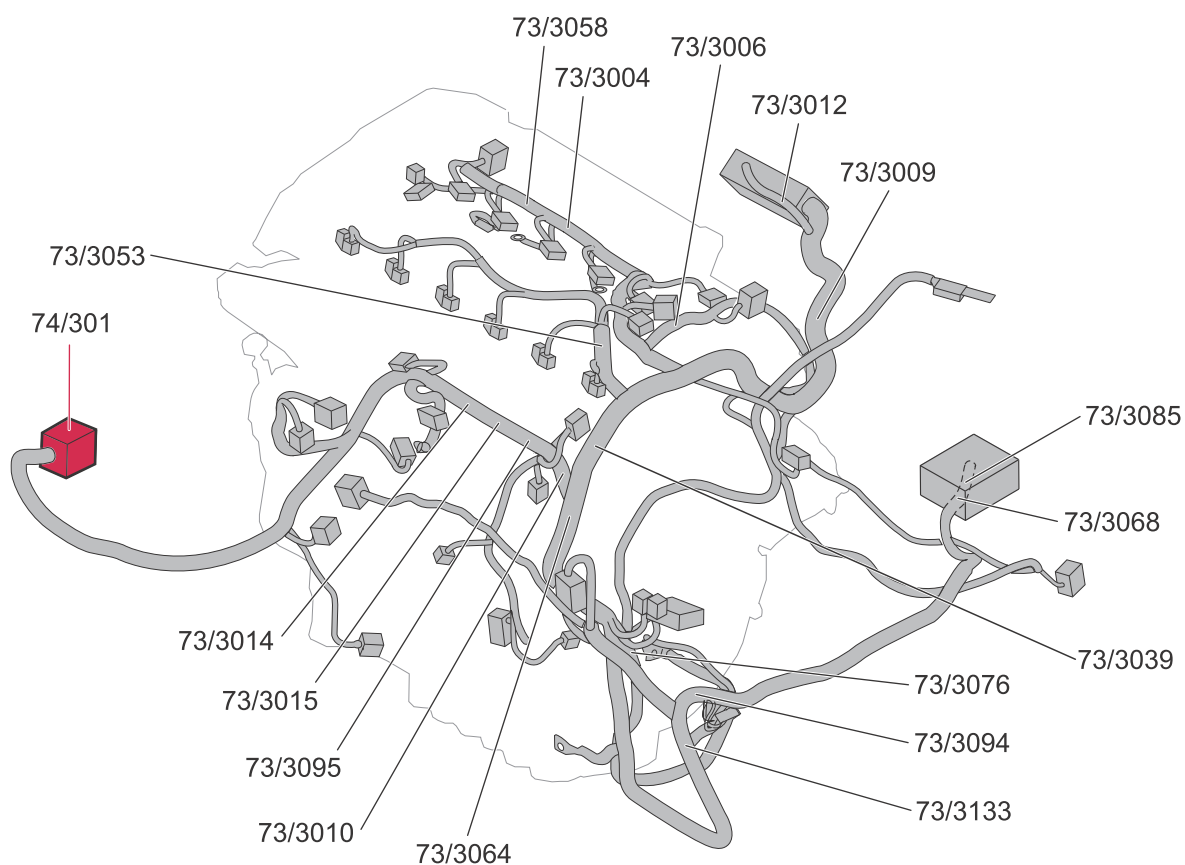


Cable harness routing in vehicle Harness engine 4-Cyl. Turbo



105127

Cable harness routing in vehicle Harness engine, 6-Cyl.

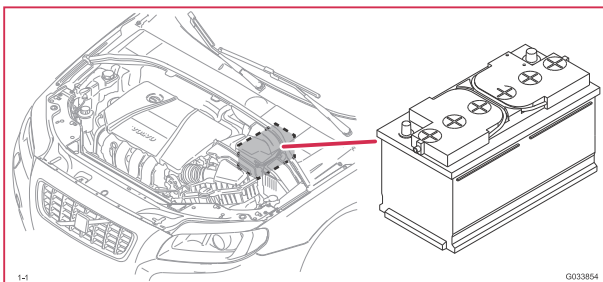


101402_X

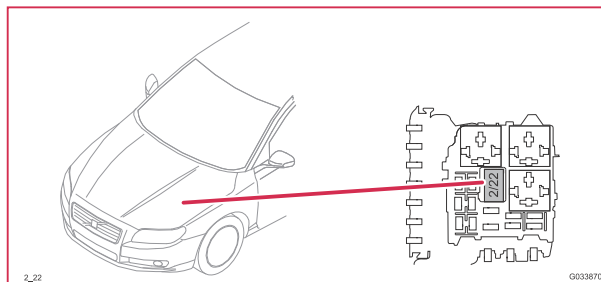
Component illustrations

1/1 - 2/64

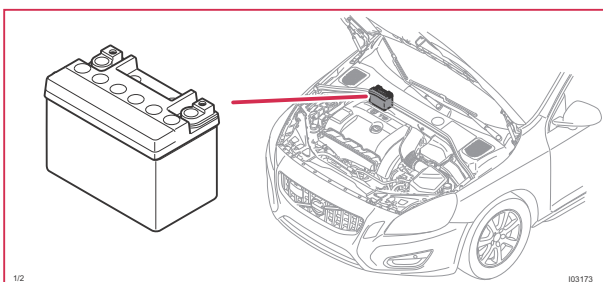
1/1 Battery



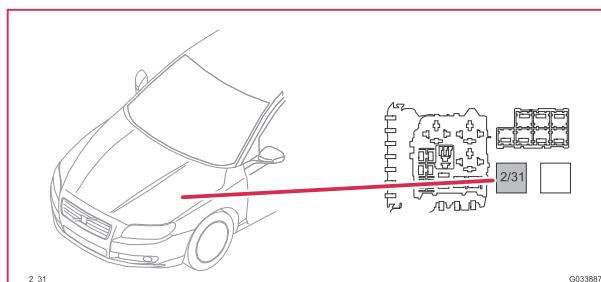
2/22 Relay, climate control system



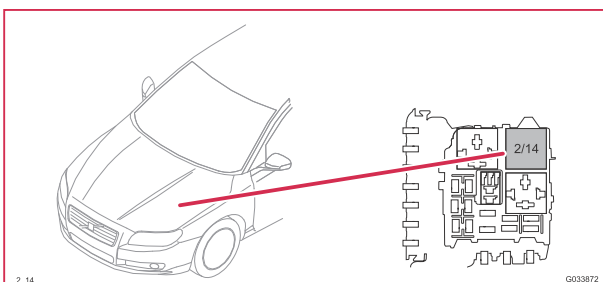
1/2 Secondary battery



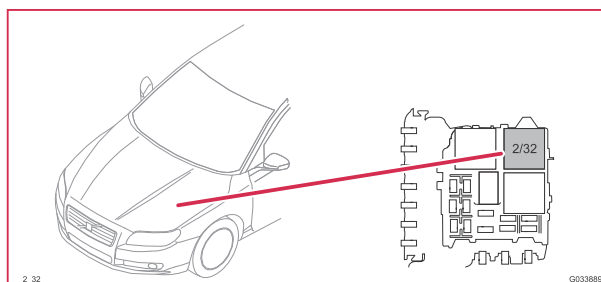
2/31 Relay, 15-feed



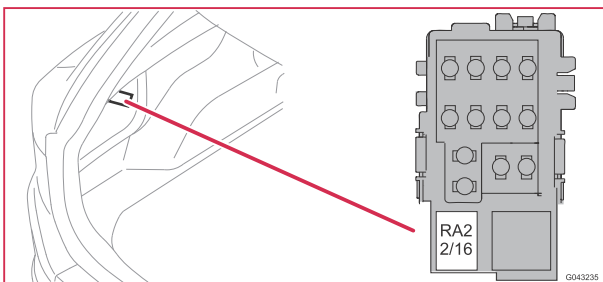
2/14 Relay, glow plug system



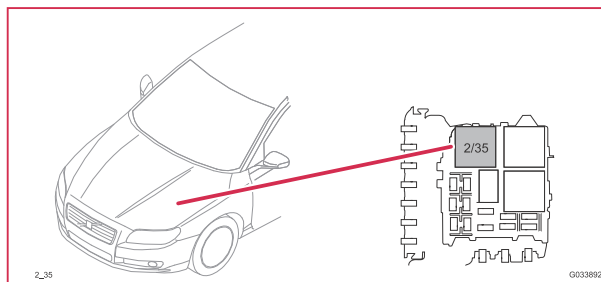
2/32 Main relay, engine management system



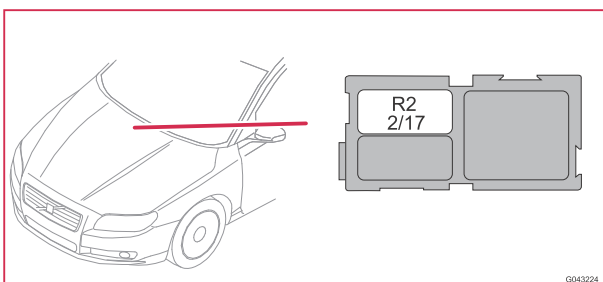
2/16 Relay, rear window wiper



2/35 Relay, starter motor



2/17 Relay, horn



2/64 Relay auxiliary lights

